Conclusion Does the length of the string, weight on the bottom of the string, or the angle of the drop effect a pendulums range in swings the most in 15 seconds. The length of the string effected the experiment the most. In the first group the highest average was 17 and the lowest was 7, so that means that the length of the string effected the averages the most. The second groups averages were all the same so that means that the number of washers on the end of the string does not increase or decrease the number of times it cycles in 15 seconds. The same thing with the angle of the drop, it does not effect the averages. Looking at the data I can see that the last two groups averages were all the same except for the first group. When all of your data is all the same except for one, than that means that the data was different effected the experiment the most. I observed that when you measure the length of the string it will cycle more than when you add more washers or change the angle of the drop. I think that when you use all of your variables (independent, dependent, and control)in a experiment, it will help you understand your data better. I believe that in every experiment that in your data, if you take multiple test, then all your numbers should be some what similar to each other. I feel that this experiment is very good for us because it helps us with our teamwork and working together.